

Butterflies of South Bohemia

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SATYRIDAE

Erebia ligea L.

Eurosiberian. Coniferous forest. July-August. Quite widely distributed. in the country mainly in large forest areas except higher level of mountains. Mostly common.

Erebia euryale Esp.

Ssp. *isarica* Heyne. Boreo-alpine. Coniferous forest, July-August. Continuously distributed in spruce forests and their neighbourhood in the Sumava mountains from about 800 m. above sea level up and mostly very common, every year in spite of its two year life-cycle.

L.: Antigl, Boubín, Černy Križ, Horská Kvilda, Javorí pila, Jezerní slat, Kubova Hut, Kunžvart, Kvilda, Lenora, Libín, Modrava, Mrtvý luh, Nové Hutě, Prachatice (?), Stachy, Stožec, Vacov, Vimperk, Volary, Vyssi Brod (?).

R.: 18, 34, 36, 57, 61, 64.

Erebia aethiops Esp.

Eurosiberian. Deciduous forest. July-August. Widely distributed mainly in lowlands and usually common.

Erebia medusa Den. et Schiff.

Eurosiberian. Meadow. June-July. Distributed over the whole country and generally very common.

Melanargia galathea L.

Euroriental. Meadow. June-August. Widely distributed and common in the country but does not occur above the 1000 m. line in mountain areas.

Hipparchia fagi Scop.

Euroriental. Forest steppe. July-August. Very rare and only a few examples have been occasionally captured.

L.: České Budějovice, Choustník, Jindřichuv Hradec (?), Libnič, Nová Obora.

R.: 1, 5, 57.

Hipparchia aelia Hffmogg.

Atlantic. Forest steppe. July-August. Locally distributed mainly in the valley of the river Vltava and on the sandy soils in the Trebon basin. Uncommon or rare.

L.: Borkovice, České Budějovice, Čížova, Holubov, Klet, Klučenice, Orlík, Písek, Podolsko nad Vltavou, Ríhov, Rípec, Soběslav, Trebon, Vyšehrad.

R.: 1, 9, 12, 37, 57, 64.

Hipparchia semele L.

Mediterranean. Forest steppe. July-September. Widely distributed in the country except higher level of the Sumava mountains (from about 900 m. above sea level up), but mostly uncommon.

Brintesia circe F.

Euroriental. Forest steppe. July-August. More continuously distributed only in the south-east part of the country, where it is in certain years common and rather widely spread. Its permanent appearance as a common species on the top and hillsides of the mountain Kravi hora (958 m. above sea level) near the Austrian border seems to be quite unusual.

L.: Čertuv kámen, České Budějovice, České Velenice, Dobra Voda, Dubíkov, Choustník, Jindřichův Hradec, Kaplice, Kraví hora, Prelát, Sejby, Trhové Sviny, Trocnov.

R.: 1, 5, 12, 52, 53, 57.

Chazara briseis L.

Mediterranean. Steppe. July-September. Distributed mainly in lowlands on rough rocky hillsides, e.g. in the valley of the river Vltava. Mostly uncommon.

L.: Klučenice, Kotek, Netolice, Orlík, Rábi, Soběslav, Srubec, Stachy, Týn nad Vltavou, Vodnany, Zahorany.

R.: 1, 12, 18, 33, 57, 64.

Minois dryas Scop.

Eurosiberian. Forest steppe. June-August. Distributed only in the valley of the river Vltava south from České Budějovice, where the butterfly was in certain restricted areas very common. In the last few years it has appeared much less abundantly.

L.: Adolfov, Borsov, České Budějovice, Holubov, Jamné, Kamenný Újezd, Kotek, Němá Strouha, Rančice, Vrabčé.

R.: 1, 57.

Aphantopus hyperanthus L.

Eurosiberian. Meadow. June-August. Distributed over the whole country except mountain areas from about 800 to 900 m. above sea level up. Usually very common.

Pararge aegeria L.

Ssp. *egerides* Stgr. Mediterranean. Forest steppe. May-June, July-August. Distributed throughout the whole country and generally common.

Dira megaera L.

Eurosiberian. Forest steppe. April-June, July-September. Widely distributed in the country and common.

Dira maera L.

Eurosiberian. Deciduous forest. June-August. Distributed over the whole country and common.

Lopinga achine Scop.

Eurosiberian. Deciduous forest. June-July. A few specimens have

been found in the southern part of the country near the Austrian border, none of them in recent times.

L.: Horní Dvoristě, Vyšší Brod.

R.: 1, 57.

Maniola jurtina L.

Euroriental. Meadow. June-September. Distributed in the whole country and usually very common.

Hyponephele lycaon Rott.

Eurosiberian. Steppe. July-August. Locally distributed on sandy soils mainly in the Trebon basin. Mostly uncommon.

L.: Borkovice, Písek, Soběslav, Tábor, Vlkov, Vodnany.

R.: 1, 9, 57.

Coenonympha amyntas Poda.

Eurosiberian. Deciduous forest. June-August. Widely distributed in the country and common up to about 900 m. above sea level.

Coenonympha arcania L.

Eurosiberian. Deciduous forest. June-August. Widely distributed in the country up to about 800 m. above sea level but really common only in lowlands.

Coenonympha pamphilus L.

Eurosiberian. Meadow. Continuously from April until November in 3 broods. Distributed everywhere in the country and very common.

Coenonympha tullia Mull.

Eurosiberian. Marsh. June-August. Distributed in certain marshes, fens and peat-bogs in the Trebon basin and Sumava mountains, but there up to about 1000 m. above sea level only. Mostly uncommon.

L.: Borkovice, České Budějovice (?), Dolní Radoun, Horní Dvoristě, Jindřichův Hradec, Jiríkovo Údoli, Mrkvíčka, luh, Nové Hrady, Peckov, Petříkov, Prábráz, Ríhov, Soběslav.

R.: 9, 18, 36, 53, 57, 64.

NYMPHALIDAE

Apatura iris L.

Eurosiberian. Deciduous forest. July-August. Widely distributed in the whole country, but almost never common.

Apatura ilia Den. et Schiff.

Eurosiberian. Deciduous forest. June-August. Widely distributed in the lowlands, usually uncommon.

Limenitis camilla L.

Eurosiberian. Deciduous forest. June-July. Only a few specimens have been captured. Its appearance in the valley of the river Vltava (e.g. at Orlík) is possible according to the present distribution of the butterfly in Central Bohemia.

L.: Orlík, Rejstejn.

R.: 18, 37.

Limenitis populi L.

Eurosiberian. Deciduous forest. June-August. The butterfly is rather sporadically distributed throughout the whole country. Uncommon.

Neptis rivularis Scop. (=Iucilla Schiff.)

Eurosiberian. Forest steppe. June-August. The butterfly is distributed continuously in the south-eastern part of the country especially along the rivers Luznice and Nežárka, where it is common in certain restricted areas. It has been found rarely in some other localities where its foodplant *Spirea* spp. occurs.

L.: Borkovice, České Budějovice, Horusice, Hurka, Jindřichuv Hradec, Lisov, Nová Bystrice, Nové Hrady, Plavsko, Přibraz, Rožmberský rybník, Staré Reky, Soběslav, Spolí, Stráž nad Nežárkou, Schwarzenberský rybník, Trhové Sviny, Trebon, Veselí nad Lužnicí, Zlatáá, Stoka, Zelnava (?).

R.: 1, 3, 5, 9, 51, 53, 57, 58.

Vanessa atalanta L.

Eurosiberian. Meadow. June-August, August-May. Widely distributed over the whole country and common. The over-wintering of adults is not clearly proven and high abundance of the summer-brood in certain years possibly depends mostly on immigration in June.

Vanessa cardui L.

Cosmopolitan. Meadow. June-July, August-May. Distributed throughout the whole country and often very common in summer and early Autumn.

Inachis io L.

Eurosiberian. Meadow. June-August, August-May. Distributed everywhere and very common.

Nymphalis xanthomelas Esp.

Eurosiberian. Deciduous forest. July-May. Uncommon but established in restricted locality in the valley of the river Vltava at Tyn nad Vltavou. Occasionally the butterfly has been found in a few other localities.

L.: Jindřichuv Hradec (?), Písek, Prachatice, Strunkovice nad Blanicí, Týn nad Vltavou.

R.: 12, 57.

Nymphalis polychloros L.

Eurosiberian. Deciduous forest. July-May. Distributed over the whole country and mostly common.

Nymphalis antiopa L.

Holarctic. Deciduous forest. July-May. Distributed throughout the country and usually common.

Polygona c-album L.

Eurosiberian. Deciduous forest. June-July, August-May. Distributed throughout the whole country and common.

Araschnia levana L.

Eurosiberian. Meadow. April-May, July-August. Widely distributed over the whole country and common.

Melitaea diamina Lang.

Eurosiberian. Marsh. June-August. The butterfly is quite widely distributed throughout the country and locally common on less cultivated marshes.

Melitaea parthenie Borkh.

European. Steppe. June-August. Locally distributed in certain xerothermic biotypes and mostly rare.

L.: České Budějovice, Hartmanice (?), Nové Hrady (?), Ránčice, Soběslav, Tábor, Trhové Sviny, Vidov.

R.: 1, 57.

Melitaea cinxia L.

Eurosiberian. Meadow. June-July. Distributed mainly in lowlands and there often common.

Melitaea phoebe Den. et Schiff.

Eurosiberian. Steppe. May-June, July-August. Distributed only in a few restricted xerothermic areas. Rare.

L.: České Budějovice, Rejta, Vidov.

R.: 12, 57.

Melitaea didyma Esp.

Eurosiberian. Steppe. May-June, July-August. Distributed only in a few restricted xerothermic areas, preferable on limestone, but there usually common.

L.: Klučenice, Milesov, Orlík, Písek, Susice, Újezd.

R.: 37, 50.

Mellicta athalia Rott.

Eurosiberian. Meadow. May-June, July-August. Distributed throughout the whole country and mostly very common in summer. In lowlands generally double-brooded.

Mellicta neglecta Pfau.

European (?). Peat-bog (?). June-July (?). A single male has been recorded recently from the peat-bog Mrtvý luh in the Sumava mountains. Although the relationship between *M. neglecta* Pfau and *M. thalia* Rott. is not quite clear, nor is the bionomy, ecology and distribution either.

L.: Mrtvý luh.

R.: 68.

Mesoacidalia charlotta L.

Eurosiberian. Meadow. June-August. Distributed over the whole country and common.

Fabriciana adippe Rott.

Eurosiberian. Meadow. July-August. Widely distributed in the country and mostly common.

Fabriciana niobe L.

Eurosiberian. Meadow. July-August. Widely distributed throughout the whole country and usually common.

Pandoriana pandora Den. et Schiff.

Mediterranean. Steppe. July-August. Only two specimens have been captured in the valley of the river Malse near České Budějovice (31/7/1932 and 8/8/1936). Possibly an occasional immigration from Austria.

L.: Rímov.

R.: 42, 43, 44, 48.

Argynnis paphia L.

Eurosiberian. Deciduous forest. July-September. Distributed everywhere and mostly very common.

Brenthis ino Rott.

Eurosiberian. Marsh. June-July. Locally distributed in certain marshy habitats mainly in the Sumava mountains (up to about 1000 m. above sea level) and its surroundings, where it is mostly common.

L.: Antgl, Divčí Kamen, Kristanovice, Lenora, Netolice, Peckov, Polecnice, Prachatice, Prelát, Spolí, Soběslav, Trhové Sviny, Trojice, Vacov, Vimperk.

R.: 12, 31, 33, 34, 36, 48.

Proclossiana eunomia Esp.

Holarctic. Peat-bog. June-July. Recently distributed only in restricted area of the peat-bog Mrtvý luh in the Sumava mountains and its neighbourhood, but there very common. A few specimens have been found in peat-bogs in the valley of the river Vltava near Vyssi Brod but this locality has been inundated by the building of an artificial lake almost twenty years ago.

L.: Chotýčany (?), Mrtvý luh, Vyssi Brod.

R.: 12, 36, 67, 68.

Clossiana selene Esp.

Holarctic. Meadow. May-June, July-August. Widely distributed and mainly in lowlands common. In the lowlands only there might be a partial second brood.

Clossiana euphrosyne L.

Eurosiberian. Meadow. May-July. Widely distributed in the country and common.

Clossiana dia L.

Eurosiberian. Meadow. April-May, July-August. Distributed throughout the whole country and mostly common. In mountains possibly only single brooded.

Boloria aquilonaris Stich.

Eurosiberian. Peat-bog. June-July. Distributed in a few restricted areas in peat-bogs in the Sumava mountains. Uncommon or rare.

L.: Kunžvart, Lenora, Modrava, Mrtvý luh.

R.: 36, 50, 57, 58.

Issoria lathonia L.

Eurosiberian. Meadow. June-July, August-May. Distributed throughout the whole country and common. Double-brooded possibly only in lowlands.

RIODINIDAE

Hamearis lucina L.

European. Deciduous forest. May-June, August? The butterfly is locally distributed mainly in certain restricted habitats (deciduous forest and rough bushy hillsides) in the valley of the river Vltava. Uncommon.

L.: Borkovice, České Budějovice, Horní Dvoristé, Klučenice, Soběslav.

R.: 1, 9, 37, 57.

LYCAENIDAE

Thecla quercus L.

Mediterranean. Deciduous forest. June-August. Sporadically distributed in lowlands. Uncommon.

Thecla betulae L.

Eurosiberian. Deciduous forest. July-September. Widely distributed mainly in lowlands, mostly uncommon.

Strymonidia spini Schiff.

Eurosiberian. Forest steppe. June-July. Distributed locally mainly in the valley of the river Vltava in restricted areas on xerothermic bushy hillsides. Rare.

L.: České Budějovice, Hluboká nad Vltavou, Němá Strouha, Roudná, Soběslav, Susice, Vysenské kopce.

R.: 12, 57.

Strymonidia w-album Knobch.

Eurosiberian. Deciduous forest. June-August. Distributed in a few restricted areas. It occurs preferably on warm dry bushy hillsides. Uncommon or rare.

L.: Hluboká nad Vltavou, Nová Obora, Peckov, Vacov, Zdíkov.

R.: 12, 18, 57.

Strymonidia pruni L.

Eurosiberian. Forest steppe. June-August. Locally distributed in lowlands, mostly uncommon or rare.

L.: Borkovice, České Budějovice, Horní Dvoristé (?), Klučenice, Soběslav, Týn nad Vltavou.

R.: 9, 37, 57.

Callophrys rubi L.

Eurosiberian. Meadow. April-June. Distributed throughout the whole country and common.

Heodes virgaureae L.

Eurosiberian. Meadow. June-September. Distributed throughout the whole country and mostly very common.

Heodes tityrus Poda.

Atlantic. Meadow. May-June, July-August. Widely distributed in the country up to about 800 m. above sea level. Common.

Heodes alciphron Rott.

Eurosiberian. Meadow. June-July. Distributed locally mainly in the Sumava mountains and hills Novohradské hory. It occurs rather rarely in rough meadows, marshes and similar uncultivated grassy places. In a few restricted areas common.

L.: České Velenice, Dobrá Voda, Hartmanice, Idina pila, Klášterec, Lenora, Mrtvý luh, Netolice, Peckov, Písek, Prachatice, Ríhov, Vacov, Vyšehrad, Vyssi Brod.

R.: 12, 18, 31, 33, 36, 57.

Lycaena phlaeas L.

Holoarctic. Meadow. May-June, July-September. Distributed throughout the whole country and common.

Thersamonia dispar Haw.

Ssp. *rutilus* Wernb. Eurosiberian. Meadow (marsh). May-July. Only two single specimens have been found in the valley of the river Vltava near České Budějovice: 1st in June 1926, 2nd 15/6/1940.

L.: Némá Strouha.

R.: 5.

Thersamonia thersamon Esp.

Euroriental. Steppe. May-June, July-August. Only a few specimens have been found in the country, all of which were recorded before the year 1930. Possibly extinct.

L.: České Budějovice, Hluboká nad Vlavou, Klet.

R.: 57.

Palaeochrysophanus hippothoe L.

Eurosiberian. Marsh. June-August. Widely distributed in the country, but only in certain restricted areas really common. Possibly partially double brooded in lowlands, certainly single-brooded in mountain areas.

Lampides boeticus L.

Tropical. Forest-steppe, June-September. The only specimen recorded in the country was one female found in the year 1898. Certainly an immigrant or casual introduction.

L.: Horepnfk.

R.: 57.

Everes argiades Pall.

Eurosiberian. Meadow. May-June, July-September. Distributed throughout the whole country and generally common, the summer brood locally very common, the spring brood in higher levels often uncommon or rare.

Cupido minimus Fuessl.

Eurosiberian. Steppe. May-June, July-August. Distributed sporadically mainly in lowlands, but it occurs locally in mountain part of the country. In certain restricted xerothermic areas very common.

Celastrina argiolus L.

Eurosiberian. Deciduous forest. April-June, July-September. Distributed over the whole country and mostly common.

Scolitantides orion Pall.

Eurosiberian. Steppe. May-June, July-August. Distributed locally in a few restricted xerothermic biotypes, e.g. in the valley of the river Vltava.
 L.: České Budějovice, Divčí Kamen, Holubov, Horepník, Vidov.
 R.: 1, 57.

Philotes vicrama Moore.

Ssp. *schiffermulleri* Hemm. Eurosiberian. Steppe. May-June, July-August. Distributed in certain restricted areas on xerothermic biotypes in lowlands. Mostly rare.

L.: České Velenice, Dobrá Voda, Horepník, Chotýčany, Kájov, Koroseky, Lipno, Vidov, Vrábče.
 R.: 1, 12, 33, 57.

Glauopsyche alexis Poda.

Eurosiberian. Steppe. May-July. Sporadically distributed in certain restricted areas on xerothermic biotypes preferable on limestone. Mostly rare.

L.: Adolfov, České Budějovice, Dívčí Kamen, Hluboká nad Vltavou, Klučenice, Orlík, Písecká Smoleč, Písek, Ránčice, Soběslav, Stranov, Týn nad Vltavou, Velesín, Vidov, Vrábče, Vysenské kopce.

R.: 12, 37, 57.

Maculinea alcon Den. et Schiff.

Euroriental. Meadow. June-August. Locally distributed mainly in the valley of the river Vltava south from České Budějovice. The butterfly usually occurs in restricted areas and appears quite rare.

L.: České Budějovice, Chýnov, Koroseky, Kotek, Nové Hrady, Trocnov, Vyssi, Brod.

R.: 1, 57.

Maculinea teleius Bergstr.

Eurosiberian. Marsh. July-August. Distributed sporadically mainly in lowlands and mostly uncommon, but in certain restricted areas is very common.

Maculinea nausithous Bergstr.

Eurosiberian. Marsh. July-August. Widely distributed throughout almost the whole country, but usually uncommon, except for certain restricted areas, where it is common.

Maculinea arion L.

Eurosiberian. Meadow. July-September. Widely distributed throughout the whole country and usually common.

Lycaeides idas L.

European. Steppe. May-June, July-August. Distributed in certain xerothermic usually restricted localities in lowland, usually uncommon or rare.

L.: České Budějovice, Jankov, Kaproun, Klučenice, Němá Strouha, Nové Hrady, Orlík, Písek, Tábor, Týn nad Vltavou, Veselí nad Lužnicí, Vidov, Vrábče.

R.: 1, 53, 57.

Plebejus argus L.

Eurosiberian. Meadow. June-August (possibly only partially double-brooded). Distributed throughout almost the whole country and generally common, on certain heaths very common.

Aricia agestis Den. et Schiff.

Eurosiberian. Steppe. May-June, July-August. Sporadically distributed in restricted warm and dry biotypes mostly in lowlands, uncommon. The butterfly occurs on the hillsides of Kravi Hora (958 m. above sea level) near the Austrian border, but is not common there.

L.: České Budějovice, Dobrá Voda, Jankov, Koroseky, Netolice, Orlík, Písecká Smolec, Písek, Prachatice, Soběslav, Tábor, Trocnov, Týn nad Vltavou, Vysenské kopce, Zahoany.

R.: 12, 33, 37, 57.

Eumedonia chiron Rott.

Eurosiberian. Marsh. July-August. Only in a few very restricted areas on marshes with *Geranium* ssp., there usually uncommon.

L.: Chýnov, Kratochvíle, Písek.

R.: 31, 33.

Cyaniris semiargus Rott.

Eurosiberian. Meadow. June-August. Distributed throughout the whole country and common.

Vacciniia optilete Knoch.

Eurosiberian. Peat-bog. June-August. Continuously distributed only in peat-bogs in the Sumava mountains and Trebon basin. In its habitat usually uncommon, but in a few restricted areas might be found very abundant.

L.: Borkovice, Červené Blato, Horská Kvilda, Churánov, Javorí pila, Ježerní slat, Jíříkovo údolí, Kovářav, Kvilda, Kunžvart, Lenora, Modrava, Mrtvý luh, Nové Hrady, Petríkov, Plechý, Popelní hora, Soběslav, Volary, Zlatá Studna, Zelnava.

R.: 1, 9, 12, 18, 36, 37, 57, 60, 64, 68.

Polyommatus icarus Rott.

Eurosiberian. Meadow. May-June, July-September. Distributed throughout the whole country and mostly very common.

Lysandra icarius Rott.

Eurosiberian. Meadow. June-August. Distributed usually in slightly damp, but warm meadows in lowlands and in certain restricted areas common. The most abundant in the typical xerothermic locality of Vysenske kopce.

L.: Borkovice, Červená nad Vltavou, Dobrá Voda, Jindřichuv Hradec, Jiríkovo údolí, Klučenice, Netolice, Nová Obora, Nové Hrady, Písecka Smoleč, Písek, Ránčice, Rípec, Soběslav, Týn nad Vltavou, Vysenské kopce.

R.: 9, 12, 33.

Lysandra argester Bergstr.

Euroriental. Steppe. June-August. Locally distributed in certain xerothermic restricted areas preferable on limestone, in a few of them common.

L.: České Budějovice, Chatýčany, Klučenice, Kotek, Ránčice, Soběslav, Trhové Sviny, Vyseiske Kopce.

R.: 12, 35, 57.

Lysandra bellargus Rott.

Euroriental. Meadow. May-June, July-August. Widely distributed in lowlands and sometimes common.

Lysandra coridon Poda.

Euroriental. Steppe. June-August. Distributed in certain restricted xerothermic areas mostly on limestone, but only in a few of them common or very common.

L.: Borkovice, České Budějovice, Klucénice, Mokrá, Milesov, Písecka Smoleč, Písek, Rábi, Týn nad Vltavou, Veselí nad Lužnicí, Vidov, Vysenské kopce.

R.: 9, 12, 57.

Agrodietus damon Den. et Schiff.

Eurosiberian. Steppe. July-August. Only a few specimens have been recorded in xerothermic biotypes mostly in the wider surroundings of České Budějovice.

L.: České Budějovice, Hluboká nad Vltavou, Horní Dvoristě (?).

R.: 1, 57.

Meleageria meleager Esp.

Euroriental. Steppe. July-August. Distributed only in certain restricted areas on xerothermic biotypes, only in a few of them common. Preferably on limestone.

L.: Borkovice, České Budějovice, Kamenný Újezd, Klucénice, Orlík, Písecká Smoleč, Písek, Soběslav, Strakonice, Týn nad Vltavou, Veselí na Lužnici, Vidov, Vysenské kopce.

R.: 1, 9, 12, 57.

HESPERIIDAE

Erynnis tages L.

Eurosiberian. Meadow. April-June, July-August. The butterfly is widely distributed and common over the whole country about 900 m. above sea level.

Carcharodus alceae Esp.

Eurosiberian. Forest steppe. April-May, July-August. Only occasional specimens have been captured in a few xerothermic habitats.

L.: Károv, Klet, Klučenice, Soběslav.

R.: 1, 37, 57.

Pyrgus carthammi Hbn.

Eurosiberian. Steppe. May-August (1 or 2 broods?). Only a few specimens have been recorded, none of them recently. (May be extinct).

L.: České Budějovice, Jamné, Něma Strouha, Vrábče.

R.: 1, 57.

Pyrgus malvae L.

Eurosiberian. Forest steppe. April-May, July-August. Generally distributed and common throughout the whole country.

Pyrgus serratulae Rbr.

Eurosiberian. Steppe. May-July (1 brood only?). The distribution is restricted to certain xerothermic habitats mainly in the valley of the river Vltava. Rare.

L.: České Budějovice, Chýnov, Klučenice, Něma Strouha, Písek, Rímov.

R.: 1, 12, 37, 57.

Pyrgus alveus Hbn.

Eurosiberian. Forest steppe. July-August. Widely distributed in the country and in some areas common.

Carterocephalus palaemon Pall.

Holarctic. Deciduous forest. May-June. Widely distributed in the country up to about 800-900 m. above sea level, but only locally common.

Adopea lineola Ochs.

Eurosiberian. Forest steppe. June-August. Generally distributed and common.

Adopea sylvestris Poda.

Eurosiberian. Meadow. July-September. Distributed throughout the whole country and common.

Thymelicus acteon Rott.

Mediterranean. Forest steppe. June-August. The distribution is restricted to certain xerothermic habitats mainly in the valley of the river Vltava. Rare.

L.: Klučenice, Lipno nad Vltavou, Orlík, Písecká Smoleč, Soběslav, Suchdol nad Lužnicí, Týn nad Vltavou, Vrábče.

R.: 12, 37.

Ochlodes venata Brem. et Gray

Ssp. *septentrionale* Vty. Eurosiberian. Meadow. June-August. Widely distributed in the whole country and common, locally very common.

Hesperia comma L.

Eurosiberian. Meadow. June-August. Distributed almost everywhere up to about 900 m. above sea level and common.

NOTE

In the literature there are data of occurrence of the two following species in South Bohemia. These species have not been included in this study, because their occurrence in South Bohemia is more than doubtful:

Colias chrysostheme Esp.: Sumava mountains (18). New data. The occurrence of this typical steppe species in this locality is certainly impossible. Possibly a mistake in identification (36).

Polygonia l-album Esp.: Jindrichuv Hradec (57). Old data. Possibly an occasional migrant (?), but it is almost certainly a mistake in identification.

REFERENCES

1. Bata, L. (1929-31). Versuch einer faunistischen Bearbeitung der Makrolepidopteren des südlichsten Bohem.—Z. Oster. Entomologen-Vereines, Wien, **14**: 49-51, 62-64, 82-83, 91-92, 127-128. **16**: 6-7, 14-16.
2. Bata, L. (1930). Zpráva o zajímavých Lepidopterech jihočeských za r. 1929.—Acta Soc. ent. cehoslov. Praha, **27**: 95.
3. Bata, L. (1930). Fauna motýlů a flora jižních Čech s hlediska biocenosy.—Ročenka vlast. Spol. jihočeské, České Budějovice, **1**: 92-110.
4. Bata, L. (1933). Dosavadní výsledky zoologického výzkumu jižních Čech.—České Budějovice.
5. Bata, L. (1940). Entomologické paběrky z jízních Čech.—Folia ent., Brno, **3**: 37-38.
6. Beuret, H. (1953-61). Die Lycaeniden der Schweiz I-III.—Basel.
7. Brčák, J. (1942). Vyznacní motylové jihočeských blat.—Vesmir, Praha, **21 (1942-43)**: 54.
8. Brčák, J. (1946). Príspěvek k faunistie Lepidopter jižní Čech.—Acta Soc. ent. čehoslov. Praha, **43**: 75-76.
9. Brčák, J. (1948). Biocenologická studie Macrolepidopter na raselinisti severozápadně od Veselí n/Luž. v jižních Čechách.—Folia net., Brno, **11**: 92-111.
10. Dohnal, J. a kol. (1965). Československá raselinisté a slatinisté.—Praha.
11. Dostál, J. (1957). Fytogeograficke členění ČSR.—Sbor. čs. Spol. zeměpisne, Praha, **62**: 1-18.
12. Ebenhöhl, J. (1965). Príspěvek k poznání jihočeské fauny Rhopalocer.—Sbor. jihoč. Mus.—Prír. Vědy, České Budějovice, **5**: 84-87.
13. Foltin, H. (1943). Beitrag zur Fauna von Oberdonau.—Z. Wiener ent. Ges., Wien, **28**: 94-97.
14. Foltin, H. (1951). Die Macrolepidopterenfauna der Flachmore Oberösterreichs.—Z. Wiener. ent. Ges. Wien, **46**: 49-58.
15. Foltin, H. (1963). Beitrag zur Fauna von Oberösterreich.—Z. Wiener ent. Ges., Wien, **48**: 35-38, 81-85, 93-96, 133-140.
16. Ford, E. B. (1945). Butterflies.—London.
17. Forster, W. et Wohlfahrt, T. A. (1955). Die Schmetterlinge Mitteleuropas. Bd. 2. Tagfalter.—Stuttgart.
18. Havel, L. (1967). Rhoplocera sumavského predhuri (Vacovsko) a centrální Sumavy.—Sbor. Jihočes. Mus.—prir. Vědy. České Budějovice, **7**: 14-19.
19. Hrubý, K. (1956). Araschnia levana L. v Československu.—Ochrana Přírody, Praha, **11**: 257-264.
20. Hrubý, K. (1956). Motýlí fauna Mlynanského arboreta.—Biol. Práce SAV, Bratislava, **3/4**: 1-74.

21. Hrubý, K. (1959). Motylí fauna Dvora Králové n. Lab. a nejbližšího okolí.—Acta Mus. Reginaehradecensis, Hradec Kralove, 3: 217-294.
22. Hrubý, K. (1964). Prodromus Lepidopter Slovenska.—Bratislava.
23. Joukl, H. A. (1908). Motýlove a housenky střední Evropy.—Praha.
24. Kodym, O. (1954). Geologický vývoj Československa.—in: Veselý, J. (red): Ochrana československé přírody a krajiny, 2: 29-144, Praha.
25. Koch, M. (1966). Wir bestimmen Schmetterlinge, I.Bd. (2.Aufl.)—Radebeul und Berlin.
26. Kostrowicki, A. S. (1965). Regionalizacja zoogeograficzna palearktynki w oparciu o faunę motyli tzw. wiekszych.—Prace geogr., Warszawa, 51: 1-98.
27. Krzywicki, M. (1959). Lycaenidae, Erycinidae.—Klucze do Oznacz. Owadow Polski, Warszawa, 27: 61-62.
28. Krzywicki, M. (1962). Pieridae, Papilionidae.—Klucze do Oznacz. Owadow Polski, Warszawa, 27: 65-66.
29. Krzywicki, M. (1966). Satyridae.—Klucze do Oznacz. Owadow Polski, Warszawa, 27: 63.
30. Krzywicki, M. (1968). Apaturidae et Nymphalidae.—Klucze do Oznacz. Owadow Polski, Warszawa, 27: 64.
31. Kudrna, O. (1957). K. ponáni motýlu jíznic Cech.—Acta Soc. ent. czechoslov., Praha, 54: 40.
32. Kudrna, O. (1958). Zajímavá forma supinek druhu *Lycaena virgaureae* L.—Acta Mus. Siles., Apava, 7: 90-92.
33. Kudrna, O. (1959). Fauna Rhopalocer okolí Netolic.—Sbor. kraj. vlastived. Mus.—prir. Vedy, České Budějovice, 2: 133-138.
34. Kudrna, O. (1968). Denní motýli v okolí Vimperka.—Sbor jihočes. Mus.—prir. Vedy, České Budějovice, 8: 18-23.
35. Kudrna, O. (1968). Zlutásek *Colias australis* Verity, 1911 v jižních Čechach.—Sbor. jihočes. Mus.—prir. Vedy, České Budějovice, 8: 58-64.
36. Kudrna, O. (1969). Významné druhy Rhopalocer na Sumave.—Zpravodaj CHOS, České Budějovice, 9: 22-31.
37. Levý, J. (1948). Príspivek k motýli fauně jihočeské.—Acta Soc. ent. czechoslov., Praha, 45: 78-89, 156-161.
38. Maran, J. (1953). Puvod a složení zvířeny československa.—Praha.
39. Maran, J. (1954). Zvířena československé republiky s hlediska ochrany přírody a krajiny.—in Veselý, J. (red): Ochrana československé přírody a krajiny, Praha, 2: 410:540.
40. Maran, J. (1956). Nástin entomogeografických poměru československa.—Acta faun. ent. Mus. nat. Prague, Praha, 1: 3-25.
41. Maran, J. (1958). Zoogeografické členění československa.—Sbor. cs. Spol. zemep., Praha, 63: 89-110.
42. Moucha, J. (1951). The distribution of *Pandoriana maja* Cr. in Central Europe.—Acta ent. Mus. nat. Pragae, Praha, 27: 69-88.
43. Moucha, J. (1959). Neueste Forschungsergebnisse über unser Lepidopteren-Fauna und deren Bedeutung für die Lösung zoogeographischer Fragen in der Tschechoslowakei.—Acta faun. ent. Mus. Nat. Pragae, Praha, 4: 1-81.
44. Moucha, J. (1967). Geographische Verbreitung und Variabilität von *Pandoriana pandora* (Denis et Schiffer-muller, 1775).—Acta ent. Mus. nat. Pragae, Praha, 37: 239-249.
45. Novák, F. A. (1954). Prehled československé květeny s hlediska ochrany přírody. — in Veselý, J. (red): Ochrana československé přírody a krajiny, Praha, 2: 193-409.
46. Povolný, D. et Smelhaus, J. (1951). *Colias palaeno* L. ssp. europome Esp. ve Slezsku.—Prirod. Sbor. ostr. Kr., Opava, 12: 402-410.
47. Seitz, A. (1909). Die Gross-Schmetterlinge der Erde. Bd. I, Die palearktischen Tagfalter.—Stuttgart.
48. Schack, E. (1936). Mein erster Argynnus pandora Schiff. — Ent. Zeitschr., Frankfurt a.M., 50: 125-128.
49. Schwarz, R. (1948-49). Motýli 1 & 2.—Praha
50. Softner, J. (1930). Zur Schmetterlingsfauna des mittlern Böhmerwaldes.—Mitt. munch. ent. Ges., München, 20: 115-132.

51. Spitzer, K. (1958). K. výskytu a bionomii *Neptis coenobita* Stoll. in nominata Lewis v jižních Čechach.—Acta Soc. ent. cehoslov., Praha, **55**: 298-299.
52. Spitzer, K. (1960). K výskytu motýlu v jihovýchodních Čechách.—Acta Soc. ent. cehoslov., Praha, **57**: 91-92.
53. Spitzer, K. (1964). Rhopalocera na Jindřichohradecku.—Sbor. Jihoces. Mus.—pir. Vedy, České Budějovice, **4**: 133-138.
54. Spitzer, K. (1966). Predběžná entomogeografická charakteristika fauny Lepidopter jíznic Čech.—II. entomologické Symposium, Opava (1966): 327-335.
55. Staudinger, O. et Rebel, H. (1901). Catalog der Lepidopteren des palearktischen Faunengebietes.—Berlin.
56. Smolík, L. (1954). Mikroklimatologie s hlediska ochranářského.—in Veselý, J. (red): Ochrana československé přírody a krajiny, Praha, **1**: 77-145.
57. Sterneck, J. (1929). Prodromus der Schmetterlingsfauna Böhmens.—Karlsbad.
58. Straberger, F. (1933). Některé poznatky motylí fauny ve Veselí n/Luž.—Acta Soc. ent. cehoslov., Praha, **29**: 188-189.
59. Sustera, O. (1944). Úvod k prodromu našich včel. Nynejsi i bývale přírodní poměry Čech a Moravy. /in: Prodromus Hymenopterorum patriae nostrae/. — Acta ent. Mus. nat. Pragae, Praha, **21-22**: 443-477.
60. Svec, R., Nekovář, F. et Vojtěch, S. (1967-68). Zeměpisný obraz Jihočeského kraje, I-III, Průvodce přírodními poměry.—Rozpr. ped. Fak., České Budějovice, 4, 6.
61. Troniček, E. (1934). Hostitelske květy sluncemilovných motýlu v horském pásmu střední Sumavy.—Věda prír., Praha, **15**: 270-274, 295-299.
62. Varin, G. a kol. (1963). Nomenclature des Lepidopteres de France, Grypoceres et Rhopaloceres.—Bull. Soc. ent. Mulh., Mulhouse, 1963 (Suppl.): 1-14.
63. Verity, R. (1940-53). Le farfalle diurne d'Italia. Vol. I-V.—Firenze.
64. Voldrich, M. (1963). La faune des papillons des montagnes de Sumava Centrale.—Acta faun. ent. Mus. nat. Pragae, Praha, **9**: 5-55.
65. Warren, B. C. S. (1936). Monograph of the genus *Erebia*.—London.
66. Warren, B. C. S. (1944). Review of the classification of the Argynnidi: with a systematic revision of the genus *Boloria*.—Trans. R. ent. Soc. Lond., London, **94**: 1-101.
67. Weiss, D. (1966). Zpráva o výskytu perletovce mokradního (*Clossiana aphirape* Hbn.) na Sumave.—Zprávy čs. Spol. ent., Praha, **2**: 103-104.
68. Weiss, D. (1967). Perletovec *Proclossiana eunomia* Esp., 1797 (C. *aphirape* Hubner, 1799) v Československu.—Čas. nár. Mus., Praha, 136 (Odd. prirodoved): 195-200.
69. Williams, C. B. (1958). Insect migration.—London.
70. Wiltshire, E. P. (1945). The zoogeographical classification of west paleartic species. Stud. in geogr. of Lep. III.—Entomologist, London, **78**: 113-116, 131-136.